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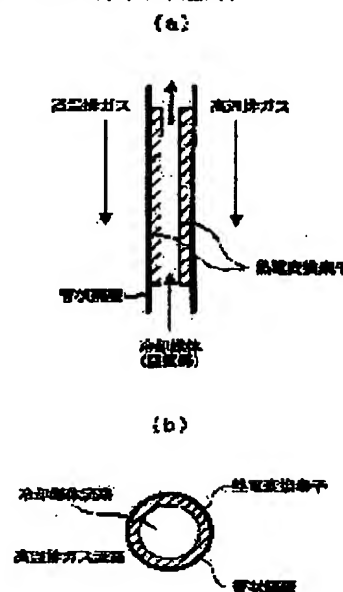
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(54) GENERATING STATION UTILIZING HIGH-TEMPERATURE EXHAUST HEAT

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a generating station utilizing high-temperature exhaust heat which utilizes a thermoelectric conversion element constituted of a specific thermoelectric conversion material and utilizes an exhaust heat of a high-temperature exhaust gas as a high-temperature side heat source.

SOLUTION: The high-temperature exhaust heat utilizing generating station comprises a cooling medium channel and a high-temperature exhaust gas channel formed via a partition wall. The generating station further comprises the thermoelectric conversion element made by alternatively coupling a specific n-type thermoelectric conversion material and a p-type thermoelectric conversion material and disposed onto the partition wall surface of the cooling medium channel side or the partition wall surface of the high-temperature exhaust gas channel side to output a power.



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